



1/14

SEQUENCE LISTING

<110> Lin, Herbert Y.
Wang, Xiao-Fan
Weinberg, Robert A.
Lodish, Harvey F.

<120> Modulation of TGF-Beta by TGF-Beta Type III Receptor Polypeptides

<130> WHI91-09FXA

<140> US 09/183,543

<141> 1998-10-30

<150> US 08/446,939

<151> 1995-05-23

<150> US 08/311,703

<151> 1994-09-23

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<151> 1991-10-31

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Arg Glu Val His Val Leu Asn Leu Arg Ser Thr Asp Gln Gly Pro Gly	
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His Thr His His Lys Pro Ile Val Phe Leu Leu Asn Ser Pro Gln Pro	
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Val Leu Pro Ser Gln Pro His Glu Lys Glu Val His Ile Ile Glu Leu	
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Val Asp Ile Arg Pro Ala Gln Glu Asp Pro Glu Val Val Lys Asn Leu	
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Handwritten signature/initials

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Asn Gly Tyr Arg Pro Val Thr Ser Tyr Thr Met Ala Pro Val Ala Asn	
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Arg Phe His Leu Arg Leu Glu Asn Asn Glu Glu Met Arg Asp Glu Glu	
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Val His Thr Ile Pro Pro Glu Leu Arg Ile Leu Leu Asp Pro Asp His	
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Gly Gly Leu Pro Phe Pro Phe Pro Asp Ile Pro Arg Arg Gly Trp Lys	
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Glu Gly Glu Asp Arg Ile Pro Arg Pro Lys Gln Pro Ile Val Pro Ser	
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Ser Thr Pro Asp Gly Val Val Tyr Tyr Asn Ser Ile Val Val Gln Ala	
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 65 70 75 80
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AK
cond

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Handwritten signature/initials

10/14

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Asp Pro Lys Leu Pro Tyr His Asp Phe Ile Leu Glu Asp Ala Ala Ser	
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His Cys Ala Ile Ile Leu Glu Asp Asp Arg Ser Asp Ile Ser Ser Thr	
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Cys Ala Asn Asn Ile Asn His Asn Thr Glu Leu Leu Pro Ile Glu Leu	
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Handwritten signature/initials

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gct cac ctc cac agt gat cac act cca tgt ggg agg ccc aag atg ccc Ala His Leu His Ser Asp His Thr Pro Cys Gly Arg Pro Lys Met Pro 360 365 370	1457
atc gtg cac agg gac ctc aag agc tcc aat atc ctc gtg aag aac gac Ile Val His Arg Asp Leu Lys Ser Ser Asn Ile Leu Val Lys Asn Asp 375 380 385 390	1505
cta acc tgc tgc ctg tgt gac ttt ggg ctt tcc ctg cgt ctg gac cct Leu Thr Cys Cys Leu Cys Asp Phe Gly Leu Ser Leu Arg Leu Asp Pro 395 400 405	1553
act ctg tct gtg gat gac ctg gct aac agt ggg cag gtg gga act gca Thr Leu Ser Val Asp Asp Leu Ala Asn Ser Gly Gln Val Gly Thr Ala 410 415 420	1601
aga tac atg gct cca gaa gtc cta gaa tcc agg atg aat ttg gag aat Arg Tyr Met Ala Pro Glu Val Leu Glu Ser Arg Met Asn Leu Glu Asn 425 430 435	1649
gct gag tcc ttc aag cag acc gat gtc tac tcc atg gct ctg gtg ctc Ala Glu Ser Phe Lys Gln Thr Asp Val Tyr Ser Met Ala Leu Val Leu 440 445 450	1697
tgg gaa atg aca tct cgc tgt aat gca gtg gga gaa gta aaa gat tat Trp Glu Met Thr Ser Arg Cys Asn Ala Val Gly Glu Val Lys Asp Tyr 455 460 465 470	1745

AT
cont

12/14

gag cct cca ttt ggt tcc aag gtg cgg gag cac ccc tgt gtc gaa agc 1793
 Glu Pro Pro Phe Gly Ser Lys Val Arg Glu His Pro Cys Val Glu Ser
 475 480 485

atg aag gac aac gtg ttg aga gat cga ggg cga cca gaa att ccc agc 1841
 Met Lys Asp Asn Val Leu Arg Asp Arg Gly Arg Pro Glu Ile Pro Ser
 490 495 500

ttc tgg ctc aac cac cag ggc atc cag atg gtg tgt gag acg ttg act 1889
 Phe Trp Leu Asn His Gln Gly Ile Gln Met Val Cys Glu Thr Leu Thr
 505 510 515

gag tgc tgg gac cac gac cca gag gcc cgt ctc aca gcc cag tgt gtg 1937
 Glu Cys Trp Asp His Asp Pro Glu Ala Arg Leu Thr Ala Gln Cys Val
 520 525 530

gca gaa cgc ttc agt gag ctg gag cat ctg gac agg ctc tcg ggg agg 1985
 Ala Glu Arg Phe Ser Glu Leu Glu His Leu Asp Arg Leu Ser Gly Arg
 535 540 545 550

agc tgc tcg gag gag aag att cct gaa gac ggc tcc cta aac act acc 2033
 Ser Cys Ser Glu Glu Lys Ile Pro Glu Asp Gly Ser Leu Asn Thr Thr
 555 560 565

aaa ta gctcttatgg ggcaggctgg gcatgtccaa agaggctgcc cctctcacca 2088
 Lys

aa 2090

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 <211> 567
 <212> PRT
 <213> genomic

<400> 8
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 1 5 10 15
 Trp Thr Arg Ile Ala Ser Thr Ile Pro Pro His Val Gln Lys Ser Val
 20 25 30
 Asn Asn Asp Met Ile Val Thr Asp Asn Asn Gly Ala Val Lys Phe Pro
 35 40 45
 Gln Leu Cys Lys Phe Cys Asp Val Arg Phe Ser Thr Cys Asp Asn Gln
 50 55 60
 Lys Ser Cys Met Ser Asn Cys Ser Ile Thr Ser Ile Cys Glu Lys Pro
 65 70 75 80
 Gln Glu Val Cys Val Ala Val Trp Arg Lys Asn Asp Glu Asn Ile Thr
 85 90 95
 Leu Glu Thr Val Cys His Asp Pro Lys Leu Pro Tyr His Asp Phe Ile
 100 105 110

Leu Glu Asp Ala Ala Ser Pro Lys Cys Ile Met Lys Glu Lys Lys Lys
 115 120 125
 Pro Gly Glu Thr Phe Phe Met Cys Ser Cys Ser Ser Asp Glu Cys Asn
 130 135 140
 Asp Asn Ile Ile Phe Ser Glu Glu Tyr Asn Thr Ser Asn Pro Asp Leu
 145 150 155 160
 Leu Leu Val Ile Phe Gln Val Thr Gly Ile Ser Leu Leu Pro Pro Leu
 165 170 175
 Gly Val Ala Ile Ser Val Ile Ile Ile Phe Tyr Cys Tyr Arg Val Asn
 180 185 190
 Arg Gln Gln Lys Leu Ser Ser Thr Trp Glu Thr Gly Lys Thr Arg Lys
 195 200 205
 Leu Met Glu Phe Ser Glu His Cys Ala Ile Ile Leu Glu Asp Asp Arg
 210 215 220
 Ser Asp Ile Ser Ser Thr Cys Ala Asn Asn Ile Asn His Asn Thr Glu
 225 230 235 240
 Leu Leu Pro Ile Glu Leu Asp Thr Leu Val Gly Lys Gly Arg Phe Ala
 245 250 255
 Glu Val Tyr Lys Ala Lys Leu Lys Gln Asn Thr Ser Glu Gln Phe Glu
 260 265 270
 Thr Val Ala Val Lys Ile Phe Pro Tyr Glu Glu Tyr Ala Ser Trp Lys
 275 280 285
 Thr Glu Lys Asp Ile Phe Ser Asp Ile Asn Leu Lys His Glu Asn Ile
 290 295 300
 Leu Gln Phe Leu Thr Ala Glu Glu Arg Lys Thr Glu Leu Gly Lys Gln
 305 310 315 320
 Tyr Trp Leu Ile Thr Ala Phe His Ala Lys Gly Asn Leu Gln Glu Tyr
 325 330 335
 Leu Thr Arg His Val Ile Ser Trp Glu Asp Leu Arg Lys Leu Gly Ser
 340 345 350
 Ser Leu Ala Arg Gly Ile Ala His Leu His Ser Asp His Thr Pro Cys
 355 360 365
 Gly Arg Pro Lys Met Pro Ile Val His Arg Asp Leu Lys Ser Ser Asn
 370 375 380
 Ile Leu Val Lys Asn Asp Leu Thr Cys Cys Leu Cys Asp Phe Gly Leu
 385 390 395 400
 Ser Leu Arg Leu Asp Pro Thr Leu Ser Val Asp Asp Leu Ala Asn Ser
 405 410 415
 Gly Gln Val Gly Thr Ala Arg Tyr Met Ala Pro Glu Val Leu Glu Ser
 420 425 430
 Arg Met Asn Leu Glu Asn Ala Glu Ser Phe Lys Gln Thr Asp Val Tyr
 435 440 445
 Ser Met Ala Leu Val Leu Trp Glu Met Thr Ser Arg Cys Asn Ala Val
 450 455 460
 Gly Glu Val Lys Asp Tyr Glu Pro Pro Phe Gly Ser Lys Val Arg Glu
 465 470 475 480
 His Pro Cys Val Glu Ser Met Lys Asp Asn Val Leu Arg Asp Arg Gly
 485 490 495
 Arg Pro Glu Ile Pro Ser Phe Trp Leu Asn His Gln Gly Ile Gln Met
 500 505 510

R
 cond

14/14

Val Cys Glu Thr Leu Thr Glu Cys Trp Asp His Asp Pro Glu Ala Arg
515 520 525
Leu Thr Ala Gln Cys Val Ala Glu Arg Phe Ser Glu Leu Glu His Leu
530 535 540
Asp Arg Leu Ser Gly Arg Ser Cys Ser Glu Glu Lys Ile Pro Glu Asp
545 550 555 560
Gly Ser Leu Asn Thr Thr Lys
565

Handwritten: *with*
